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**VIA FACSIMILE: 1 214 855-4300**

(Total Pages: 7)

March 17, 2005

Ms. Diane C. Godzisz  
**JENKENS & GILCHRIST**  
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1445 Ross Avenue, Suite 3200  
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U. S. A.

COPY

Re Korean Patent Application No. 1999-7007373  
Applicant: Telefonaktiebolaget LM Ericsson (publ)  
Your Ref: 34650-00179KRPT  
Our Ref: P-7556  
**Response Due Date: April 18, 2005**

Dear Ms. Godzisz:

Regarding the above-identified application, we received a Notice of Preliminary Rejection issued on February 18, 2005 from the Korean Intellectual Property Office (KIPO) stating the following reason(s):

Since the invention described in claims 1-22 of this application is considered to have been easily derived from the teachings of the following cited references published prior to the filing date of this application by a skilled person in the art for the reason(s) as described below, this application cannot be patented under the provision of Article 29 (2) of the Korean Patent Law.

- below -

The technology of the present invention is characterized by fabricating a transmitter/receiver (transceiver) being used in a mobile communication terminal as a single semiconductor chip. In connection with this, Korean Laid-Open Publication No. 10-1996-700580 (Jan. 20, 1996; hereinafter, referred to as the cited reference) also discloses the technology regarding the communication system processing a transmitting frequency and a receiving frequency. Upon reviewing the present invention and the cited reference in detail,

They are similar in view of the technical matters to deal with circuit elements being used in a radio communication.

- 2 The core technical matters of the cited reference and the present invention are 'packaging' and 'fabricating a transceiver as a single IC chip', respectively, and at the same time, there can be a core difference in these technical matters. However, since the 'packaging' of the cited reference and 'fabricating a transceiver as a single

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IC chip' of the present invention are similar in view of the technical object, the function and the effects resulted from the two technologies are not remarkably different.

3. Also, the technology of the present invention to fabricate a transceiver as a single IC chip corresponds to a LSI technology. The LSI technology is a common technique in an electronic circuit apparatus. Therefore, it is not considered that simply fabricating a transceiver as a IC chip in a communication system shows technical features. That is, although it is requested that the present invention should specify the technical problems to overcome a certain difficulty during the LSI of a communication system, such features of the present invention cannot be found.

In other words, the present invention is simply LSI of the communication system of the cited reference. Therefore, such feature to fabricate a transceiver as a single IC chip over the existing system is under the range that a person having ordinary skill in the art to which this invention pertains may exhibit his usual creativity and thus, the present invention is considered to be easily derived from the cited reference.

Attachments: A copy of the cited reference

## Our Remarks:

This reason for rejection is that all claims of the present invention can be easily derived by a person having ordinary skill in the art from Korean Laid-Open Publication No. 10-1996-700580 (hereinafter, referred to as the cited reference). Please note that the cited reference corresponds to International Publication No. WO 95/15621 (International Application No. PCT/IB94/00355). For your reference, we are enclosing herewith a copy of the coversheet of WO 95/15621.

In this regard, upon reviewing the present invention and the cited reference, we found that while the present invention relates to an architecture of a radio transceiver for fabricating the radio transceiver on a single IC chip, the cited reference is to provide a telecommunication system in which transceivers fulfill the requirements of Authorities as to receiver spurious responses.

From the above comparison, we learned that the cited reference does not relate to an architecture of a radio transceiver, as shown in the present invention, and furthermore, it does not disclose the constitutions as shown in claim 1 of the present invention, i.e., a down-conversion section, a bandpass filter, a discriminator, an up-conversion section and a shaping filter. Therefore, we are of the opinion that the present invention is different from the cited reference in view of the constitution.

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Notwithstanding, as far as the Examiner negated an inventive step of the present invention over the cited reference, the differences between the present invention and the cited reference must be compared and explained in detail. Therefore, please provide us with your explanation on the differences between the present invention and the cited reference in the respective viewpoints of the purpose, the constitution and the acting effects.

Meanwhile, upon reviewing the present invention and the corresponding U.S. Patent No. 6,633,550 we found that the constitution of the present invention and the relationship thereof are more concretely described in the U.S. claims than the present claims. Therefore, in order to expedite the examination prosecution, we suggest replacing the claims 1-22 of the present invention with those 1-17 of the corresponding U.S. Patent No. 6,633,550. After considering our suggestion, please provide us with your instructions on this matter.

The deadline for filing a Response is April 18, 2005. This deadline can be extended for one month each time upon payment of an official fee.

We look forward to receiving your response at your earliest convenience.

Very truly yours,

JCS/cyc

Jang-Chan Suh

Enclosures: 1. A copy of the Notice of Preliminary Rejection  
2. A copy of the cited reference  
3. A copy of the coversheet of WO 95/15621



CF

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number 10/822,594

Filing Date April 12, 2004

First Named Inventor Karl Hakan Torbjorn GARDENFORS

Art Unit 2635

Examiner Name Brian A. Zimmerman

Attorney Docket Number 0119-200.03

### ENCLOSURES (Check all that apply)

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Fee Transmittal Form                             | <input type="checkbox"/> Drawing(s)   | <input checked="" type="checkbox"/> After Allowance Communication to TC                 |
| <input type="checkbox"/> Fee Attached                                     | <input type="checkbox"/> Licensing-related Papers                                       | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences     |
| <input type="checkbox"/> Amendment/Reply                                  | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final                                      | <input type="checkbox"/> Petition to Convert to a Provisional Application               | <input type="checkbox"/> Proprietary Information  |
| <input type="checkbox"/> Affidavits/declaration(s)                        | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input type="checkbox"/> Status Letter  |
| <input type="checkbox"/> Extension of Time Request                        | <input type="checkbox"/> Terminal Disclaimer  | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):         |
| <input type="checkbox"/> Express Abandonment Request                      | <input type="checkbox"/> Request for Refund   | Stamped Return Receipt Postcard   |
| <input type="checkbox"/> Information Disclosure Statement                 | <input type="checkbox"/> CD, Number of CD(s) _____                                      |   |
|   | <input type="checkbox"/> Landscape Table on CD  |   |
| <input type="checkbox"/> Certified Copy of Priority Document(s)           | <input type="text"/> Remarks  |   |
| <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application   |   |   |
| <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 |   |   |

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Potomac Patent Group, PLLC		
Signature			
Printed name	Steven M. duBois		
Date	March 15, 2006	Reg. No.	35,023

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Steven M. duBois	Date	March 15, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Patent  
Attorney's Docket No. 0119-0200.03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of )  
Karl Hakan Torbjorn GARDENFORS et al. ) Group Art Unit: 2635  
Application No.: 10/822,594 ) Examiner: Brian A. Zimmerman  
Filed: April 12, 2004 )  
For: RADIO TRANSCEIVER ON A CHIP )

LETTER RE IDS

Commissioner for Patents  
Alexandria, VA 22313-1450

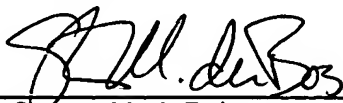
Sir:

Further to the Notice of Allowance dated February 2, 2006, Applicants note that the Korean Laid-Open Publication No. 10-1996-700580 cited in the Information Disclosure Statement filed on December 5, 2005 was not considered and made of record by the Examiner. Specifically, it was not considered and made of record because it is not an English-language document and a concise explanation of relevance pursuant to 37 C.F.R. § 1.98(a)(3) was not provided.

The undersigned hereby informs the Examiner that Korean Laid-Open Publication No. 10-1996-700580 is relevant because it was cited by the Korean Intellectual Property Office in a Preliminary Rejection received in a counterpart to the above-identified U.S. Patent Application family. A copy of a letter from Choi, Kim & Partners (dated March 17, 2005) accompanying this Preliminary Rejection is submitted herewith to further explain the relevance of this document.

Accordingly, the Examiner is respectfully requested to consider and make of record this document and return an initialed copy of the previously submitted form PTO-1449 (new copy enclosed) indicating such.

Respectfully submitted,  
POTOMAC PATENT GROUP PLLC

By:   
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Date: March 15, 2006

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